Brian McNamara GISP, CFM

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Professional Summary

- Seasoned GIS Professional with over 10 years of varied GIS and consulting experience in the AEC, DOT, Planning, Water Resources and Environmental sector utilizing multiple GIS platforms including ESRI ArcGIS products and AutdoDesk Civil 3D

- Strong interpersonal skills – currently providing GIS, Project Management and Consulting expertise for International AEC companies, State and Local Governments and non-profits

Education

University of North Texas – Denton, TX
Master of Science in Advanced Data Analytics, August 2024 (*expected*)
Concentration in Management

Texas A&M University – College Station, TX
Bachelors of Science, Geography, 2010
Minors in Business and Earth Sciences

Certifications

Certified Floodplain Manager (CFM), Teas Floodplain Management Association, 2021

GIS Professional (GISP), GIS Certification Institute, 2018

Work Experience

Esri, Inc. - Austin TX   **September 2022 – Present**
GIS Consultant & Project Manager

- Technical Advisor and Consultant to multiple international and national AEC firms providing expertise and consultant to develop and grow geospatial strategy within their organization

- Serve as a project manager on various opportunities for both public and private clients. Projects include the State of California's first Economic Resiliency Fund in Orange County. Provide GIS support as part of the data and research arm of Orange County's CERF project team

- Develop internal marketing and business documentation to foster business growth and promote the benefits of GIS and Esri's products

Halff Associates, Inc. - Austin TX   **June 2013 – August 2022**
Senior GIS Manager

- Led a GIS team of five, coordinating staff utilization and workload, while providing technical expertise and project management on local, state and federal level projects. I provided product demos to clients, and assisted in responding to RFQs and RFPs, with scopes, fees and schedules

- GIS Coordinator and Analyst for Texas Water Development Board Flood Assessment & Prioritization Web Application. I led the GIS analysis and coordinated with the web development team to identify, evaluate, and prioritize flood risk areas. This project received a gold medal in the 2018 ACEC Texas Engineering Excellence Awards - Surveying and Mapping Technology category

- As a member of FEMA's Hurricane Harvey flood inundation mapping team, I served as GIS coordinator and analyst. Responsibilities included coordinating with subconsultants to meet rigorous timetables providing floodplain mapping analysis using field high water mark elevations and existing FEMA base flood elevations to identify and classify flooding extents and sources. The analysis and findings were used by both FEMA and USGS

- Served as GIS coordinator and Analyst for the City of Tyler's Stormwater, Water & Sanitary Sewer System Master Plans. Developed and updated a comprehensive GIS inventory of the City's infrastructure to support an asset management program. I coordinated city-wide acquisition & historical record analysis both internally and with subconsultants using the ArcGIS Collector app. Total projects approximately $1M.

Klotz Associates, Inc. - Houston, TX   **January 2012 – June 2013**
GIS Technician

- Responsible for creating a Master Plan GeoDatabase for two public universities including integrating data from multiple engineering departments into an efficient, usable database and application

- CAD designer for site development (AutocadC3D) of Aldi's growth in the greater Houston Metro area. Created site layouts, integrated survey and architect's designs for 12+ Aldi grocery stores.

- Performed application quality assurance, database SQL queries, and created cartographic exhibits for a Harris County Flood Control Watershed Management Study

CenterPoint Energy – Houston, TX   **September 2010 to December 2011**
Distribution & Outage Analyst (contracted through Kelly Services)

- Provided day-to-day operations and management of Graphical Switching & Outage Analysis Systems used by over fifty controllers, support specialists, supervisors, & managers

- Supported development of Texas Set Phase I test plans for CenterPoint's Outage Analysis System

- Performed ad hoc and daily reports to support management and staff of various departments

- Assisted in departmental Smart Grid & Automated Meter Systems training

Software, GIS, and Other Technical Skills

Python, ESRI ArcGIS products, ArcSDE, ArcPy, Powershell, LiDAR, AutoCAD Civil 3D / Map 3D, VBA, Jupyter Notebooks, R, Data Analytics